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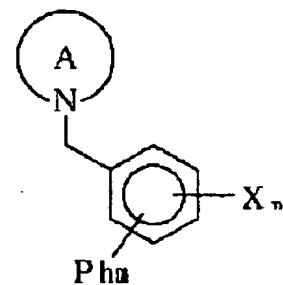
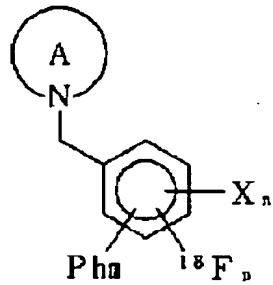
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TITLE : N1-(8F)FLUOROBENZYL
 HETEROCYCLIC COMPOUND AND ITS
 PRODUCTION



ABSTRACT : PROBLEM TO BE SOLVED: To obtain the subject new compound having an angiotensin II receptor- antagonizing action, having a [¹⁸F] fluoro group introduced thereinto, and useful for labeling reagents for positive electron radiation tomography.

SOLUTION: This compound is expressed by the formula I [the ring A is a (substituted) (condensed) imidazole ring; X is a substituent; Ph is (substituted) phenyl; (m) is 0, 1; (n) is 0-3; (p) is 1, 2], for example, 1-(4-butoxy-3-[¹⁸F]fluorobenzyl)-2-butyl-4-chloro-imidazole-5-acetic acid. The compound of formula I is obtained by reacting a compound of formula II with a [¹⁸F] electrophilic fluorinating agent such as [¹⁸F] acetylhypofluorite e.g. in a reaction solvent such as a chlorofluorocarbon compound or (trifluoro)acetic acid.

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